



Hip Joint Case, 58 days after the Amputation.

See page 9 Appendix

REPORT
OF
Interesting Surgical Operations,

PERFORMED AT THE

U. S. A. GENERAL HOSPITAL,

BEVERLY, NEW JERSEY.

BY

C. WAGNER, ASS'T SURGEON U. S. A.

COMMANDING HOSPITAL.

also in i. p. 193.

REPORT
OF
INTERESTING SURGICAL OPERATIONS
PERFORMED AT THE
U. S. GENERAL HOSPITAL,
BEVERLY, NEW JERSEY.

During the past five or six months many interesting capital operations have been performed at the hospital under my charge, by my assistants and myself.

August and September brought us a large number of cases of frightful wounds received at the battle of Deep Bottom, Va., and in the numerous engagements before Petersburg, the worst cases I have ever seen off the field of battle. Hospital gangrene and sloughing wounds prevailed among them; both, however, were successfully dealt with by being promptly removed to the tent wards, and adopting the plan of treatment described by Dr. Paekard in his article on Hospital Gangrene, which appeared in the January number, 1865, of the *Am. Jour. Med. Sciences*, viz: thorough removal of the slough by the scissors or knife, sugar dressing, bromine or permanganate of potash, although the two last named agents I do not think essential for the success of the treatment.

The mortality consequent upon the operations recorded in the accompanying table may appear at first glance unusually large, but if we take into consideration the fact that the sufferers were brought hither on transports, having previously undergone the severities incident upon a long and tedious campaign, that after receiving their wounds, many of them necessarily failed to obtain either proper food or care upon the field of battle, the result will then compare favorably with similar operations performed under more fortunate circumstances.

REPORT OF SURGICAL OPERATIONS AT THE U. S. A. GENERAL HOSPITAL, BEVERLY, N. J.
EXCISIONS.

NAME.	AGE.	CAUSE AND DURATION.	CONDITION AT THE OPERATION.	OPERATION.	DATE.	PROGRESS (REMARKS) RESULT.	OPERATOR.
J. Z.	33	G. S. W. right thigh, fracturing head and neck of femur. One month.	Soft parts in a sloughing condition. Pulse 115 and weak. Appetite wanting.	Excision of head, neck, and a portion of trochanter major.	Sept. 27, 1864.	Died Sept. 28, 1864. (See appendix.)	C. Wagner, Ass't Surg. U. S. A.
H. P.	18	G. S. W. right shoulder, fracturing head of humerus. Nineteen days.	Joint painful. Sinuses discharging unhealthily pus.	Excision of head and 11½ inches shaft of humerus.	Oct'r 18, 1864.	Progress favorable, patient recovered with a very useful arm. (See appendix.)	C. Wagner, Ass't Surg. U. S. A.
P. B.	53	G. S. W. left forearm, fracturing ulna. One month.	Soft parts sloughing, portions of ulna exposed and necrosed.	Excision 4 inches shaft of ulna.	Sept. 12, 1864.	Patient recovered in two months with useful arm.	C. Wagner, Ass't Surg. U. S. A.
O. B. P.	21	G. S. W. left elbow joint, fracturing bones thereof. Sixteen days.	Joint swollen and painful. Sinuses discharging unhealthy pus.	Excision of inner condyle of humerus and olecranon of ulna.	Aug. 31, 1864.	Patient discharged the service in three months with useful arm.	C. Wagner, Ass't Surg. U. S. A.
W. R. C.	23	G. S. W. injuring upper part of ulna Two months.	Soft parts sloughing, upper part of ulna exposed and necrosed.	Excision of olecranon and 2½ inches shaft of ulna.	Dec'r 11, 1864.	Recovered Feb. 22, with every prospect of having a useful arm. (See appendix.)	C. Wagner, Ass't Surg. U. S. A.

REPORT OF SURGICAL OPERATIONS AT THE U. S. A. GENERAL HOSPITAL, BEVERLY, N. J. AMPUTATIONS.

NAME.	AGE.	CAUSE AND DURATION.	CONDITION AT THE OPERATION.	OPERATION.	DATE.	PROGRESS (REMARKS) RESULT.	OPERATOR.
L. T. R. <i>L. J. Root</i>	34	G. S. W. right elbow, fracturing humerus and olecranon of ulna	Joint swollen and painful—sinuses discharging unhealthy pus—bones necrosed.	Amputation arm, upper third by circular operation.	Sept. 15, 1864.	Recovered October 29, 1864.	E. B. Woolston, A. A. S.
J. S. <i>Geo. H. H. H. H.</i>	30	G. S. W. left wrist joint, fracturing radius and ulna 18 days.	Joint swollen and painful, discharging unhealthy pus—bones necrosed.	Amputation forearm—middle 3d by antero posterior skin flaps.	Oct'r 24, 1864.	Died October 30, 1864.	J. C. Morton, A. A. S.
F. F. <i>1200 H. H. H. H.</i>	24	G. S. W. left hand, fracturing carpal bones. 28 days.	Bones necrosed—soft parts sloughing—secondary hemorrhage.	Amputation forearm—middle 3d by antero posterior skin flaps.	Oct'r 29, 1864.	Recovered Nov'r 26, 1864.	J. N. Snively, A. A. S.
H. P. B. <i>4 P. B. H. H.</i>	19	G. S. W. left wrist joint, fracturing radius or ulna. 12 days.	Joint swollen and painful—sinuses discharging fetid pus.	Amputation forearm—middle 3d by antero posterior skin flaps.	Oct'r 28, 1864.	Died Nov'r 8, 1864.	J. C. Morton, A. A. S.
G. D. <i>Geo. D. H. H.</i>	21	G. S. W. left wrist joint. 12 days.	Joint swollen and painful—sinuses discharging unhealthy pus.	Amputation forearm—middle 3d by antero posterior flaps.	Aug. 28, 1864.	Sep 12 soft parts sloughing, bones protruding. Arm amputated lower 3d, by circular operation, Sept. 18. Re-covery Oct. 19, '64.	C. Wagner, Ass't Surg. U. S. A.

REPORT OF SURGICAL OPERATIONS AT THE U. S. A. GENERAL HOSPITAL, BEVERLY, N. J.
AMPUTATIONS

NAME.	AGE.	CAUSE AND DURATION.	CONDITION AT THE OPERATION.	OPERATION.	DATE.	PROGRESS (REMARKS) RESULT.	OPERATOR.
W. R. M.	23	G. S. W. left arm, fracturing humerus, upper third. Thirty three days.	Soft parts sloughing—bone necrosed—patient failing.	Amputation of arm at shoulder by lateral flaps.	Nov. 11, 1864.	Nov. 21, secondary hemorrhage. Subclavian artery ligated by Dr. C. Wagner, U. S. A. Died Nov. 23, '64.	J. C. Morton, A. A. S.
P. C.	24	G. S. W. right elbow, fracturing humerus and ulna. 1 month.	Joint swollen and painful—sinuses discharging unhealthy pus—bones necrosed.	Amputation of arm, upper 3d, by lateral flaps.	Sept'r 16, 1864.	Recovered Oct. 29, 1864.	E. B. Woolston, A. A. S.
E. N.	21	G. S. W. right arm flesh. One month.	Soft parts sloughing—secondary hemorrhage.	Amputation arm, upper third, by lateral flaps.	Sept'r 10, 1864.	Recovered Oct. 6, 1864.	E. B. Woolston, A. A. S.
G. S. C.	30	G. S. W. left arm, fracturing humerus. 14 days.	Soft parts sloughing—secondary hemorrhage.	Amputation arm, upper third, by lateral flaps.	Sept'r 10, 1864.	Recovered Dec. 6, 1864.	C. H. Alden, Ass't Surg. U. S. A.
T. D.	18	G. S. W. left arm, fracturing upper third of humerus.	Soft parts sloughing—sinuses discharging unhealthy pus.	Amputation arm at shoulder by lateral flaps.	Oct'r 29, 1864.	Died Oct. 30, 1864.	J. C. Morton, A. A. S.

REPORT OF SURGICAL OPERATIONS AT THE U. S. A. GENERAL HOSPITAL, BEVERLY, N. J.

AMPUTATIONS.

NAME.	AGE.	CAUSE AND DURATION.	CONDITION AT THE OPERATION.	OPERATION.	DATE.	PROGRESS (REMARKS) RESULT.	OPERATOR.
J. D. <i>John Day</i>	30	G. S. W. right arm, flesh. 20 days.	Soft parts sloughing—secondary hemorrhage.	Amputation arm, upper third, by lateral flaps.	Oct'r 18, 1864.	Recovered Dec. 3, 1864.	G. A. Chesley, A. A. S.
W. H. <i>Wm Harvey</i>	21	G. S. W. left leg, fracturing tibia. 10 days.	Wound discharging fetid pus.	Amputation of leg, upper third, by circular operation.	Aug. 22, 1864.	Recovered Sept. 30, '64.	E. B. Woolston, A. A. S.
G. W. W. <i>G. W. Wells</i>	24	G. S. W. right foot, fracturing tarsal bones. Eleven weeks.	Soft parts sloughing—bones exposed and necrosed, fetid discharge.	Amputation foot by Symes' method.	Oct'r 22, 1864.	Jan. 10, soft parts sloughed, bones protruding. Jan. 16, leg amputated, middle 3d, by Dr. Morton. Feb. 21, recovered.	G. A. Chesley, A. A. S.
A. C. S. <i>Abner Smith</i>	27	G. S. W. left foot, fracturing tarsal bones. One month.	Soft parts sloughing—bones exposed.	Amputation foot by Symes' method.	Sept'r 14, 1864.	Recovered Nov'r 12, 1864.	E. B. Woolston, A. A. S.
W. S. <i>Wm. S. S. S.</i>	32	Foot crushed by being run over by a car, March 4, 1865.	Foot and ankle badly crushed and lacerated	Amputation right leg, middle 3d, by circular operation.	March 4, 1865.	Still under treatment, April 1, 1865.	J. C. Morton, A. A. S.

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REPORT OF SURGICAL OPERATIONS AT THE U. S. A. GENERAL HOSPITAL, BEVERLY, N. J.
AMPUTATIONS.

NAME.	AGE.	CAUSE AND DURATION.	CONDITION AT THE OPERATION.	OPERATION.	DATE.	PROGRESS (REMARKS) RESULT.	OPERATOR.
H. B. <i>Wm. H. Kane</i>	45	G. S. W. left leg, injuring tibia. 6 weeks.	Soft parts sloughing, portion of tibia exposed and necrosed.	Amputation of leg at knee joint by anterior flap.	Sept'r 26, 1864.	Died Sept. 28, from exhaustion.	C. Wagner, Ass't Surg. U. S. A.
C. H. C. <i>Chas. H. Clark</i>	23	G. S. W. right leg, fracturing tibia and tibia. Ten days.	Soft parts sloughing, fetid discharge.	Amputation of leg, upper third, by circular operation.	Aug. 26, 1864.	Stump sloughing, bones protruding. Died Sept. 11, from exhaustion.	C. Wagner, Ass't Surg. U. S. A.
W. C. <i>Wm. C. Clark</i>	39	G. S. W. left leg, fracturing tibia. Six days.	Condition of wound favorable—patient suffering from tetanus.	Amputation of leg, upper third, by skin flaps.	Sept'r 20, 1864.	Died Sept. 30, 1864, of tetanus.	J. S. Waggoner, A. A. S.
J. K. <i>John H. Kane</i>	32	G. S. W. left foot, fracturing tarsal bones. Twenty-one days.	Soft parts sloughing, bones necrosed.	Amputation of leg, middle third, by circular operation.	Oct'r 8, 1864.	Died Nov. 24, from exhaustion.	J. S. Waggoner, A. A. S.
W. H. K. <i>Wm. H. Kane</i>	23	G. S. W. left leg, flesh. One month.	Extensive sloughing of soft parts—portion of tibia exposed and necrosed.	Amputation of leg at knee joint by posterior flap.	Sept'r 17, 1864.	Died Sept'r 26, 1864, from secondary hemorrhage.	C. Wagner, Ass't Surg. U. S. A.
H. U. <i>Henry H. Kane</i>	22	Chronic ulcers of ten months' standing.	Hospital gangrene occurred—lower part of tibia exposed.	Amputation of leg at knee joint by antero posterior skin flaps.	Dec'r 25, 1864.	Jan. 1, stump sloughing, condyles of femur protruding. Jan. 5, thigh amputated, lower 3d. Jan. 6, secondary hemorrhage, femoral artery ligated by Dr. Morton. Died Jan. 7.	J. H. Packard, A. A. S.

REPORT OF SURGICAL OPERATIONS AT THE U. S. A. GENERAL HOSPITAL, BEVERLY, N. J.

AMPUTATIONS.

NAME.	AGE.	CAUSE AND DURATION	CONDITION AT THE OPERATION.	OPERATION.	DATE.	PROGRESS (REMARKS) RESULT.	OPERATOR.
E. E. S. <i>E. E. Smith</i>	19	G. S. W. right leg, fracturing head of tibia. Twenty-seven days.	Soft parts sloughing—secondary hemorrhage—8 oz. blood lost. Secondary hemorrhage—6 oz. blood lost. Stump very much swollen, abscesses forming, necrosis extending to the head of femur. Secondary hemorrhage—4 oz. blood lost.	Amputation of thigh, lower 3d, by circular operation. Ligature of femoral artery. Amputation of thigh at hip joint. Ligature of external iliac artery.	Sept'r 12, 1864. Oct'r 17, 1864. Jan. 19, 1865. Jan. 27, 1865.	Patient did well until Oct. 17, when hemorrhage recurred. Ligature separated in ten days. This operation was performed by Dr. Packard. Hemorrhage recurred Jan. 27, 1865. Patient recovered March 3, 1865. (See appendix & plate.)	J. C. Morton, A. A. S.
J. W. <i>J. W. Williams</i>	44	G. S. W. left thigh, injuring middle third of femur.	Necrosis extending to head of femur, abscesses forming.	Amputation of thigh at hip joint by antero-posterior flaps.	Feb. 17, 1865.	Died Feb. 18, 1865. (See appendix.)	C. Wagner, Ass't Surg. U. S. A.
G. H. P. <i>G. H. Paine</i>	18	G. S. W. left leg, fracturing fibula. Sixteen days.	Soft parts sloughing, portion of tibia exposed and necrosed.	Amputation of thigh, lower 3d, by circular operation.	Oct'r 28, 1864.	Sept. 10, secondary hemorrhage occurred, femoral artery ligated in continuity. Died Nov'r 26, from exhaustion.	J. N. Snively, A. A. S.

REPORT OF SURGICAL OPERATIONS AT THE U. S. A GENERAL HOSPITAL, BEVERLY, N. J.

AMPUTATIONS.

NAME.	AGE.	CAUSE AND DURATION.	CONDITION AT THE OPERATION.	OPERATION.	DATE.	PROGRESS (REMARKS) RESULT.	OPERATOR.
I. H. B. <i>D. H. B. 2</i>	37	G. S. W. left leg, fracturing fibula. Thirtysix days.	Gangrene of foot and lower part of leg.	Amputation of thigh, lower 3d, by circular operation.	Sept'r 28, 1864.	Oct. 12, stump sloughing, secondary hemorrhage, femoral artery ligated. Died Oct. 17, from exhaustion.	J. C. Morton, A. A. S.
T. J. O. <i>Wm. J. O'Connell</i>	20	G. S. W. right leg, fracturing head of tibia. One month.	Joint swollen and painful—sinuses discharging unhealthy pus—soft parts sloughing.	Amputation of thigh, lower 3d, by circular operation.	Sept'r 15, 1864.	Sept 23, secondary hemorrhage, femoral artery ligated in continuity. Died Sept. 28, from exhaustion.	J. C. Morton, A. A. S.
R. C. H. <i>P. J. H. 1</i>	39	G. S. W. left leg, fracturing head of tibia. One month.	Joint swollen and painful—sinuses discharging fetid pus.	Amputation of thigh, lower 3d, by circular operation.	Sept'r 16, 1864.	Sept 23, secondary hemorrhage, femoral artery ligated in continuity. Died Sept. 26, from exhaustion.	J. C. Morton, A. A. S.
J. A. R. <i>D. A. R. 1</i>	31	G. S. W. left leg, fracturing tibia and fibula, upper third. 12 days.	Soft parts sloughing.	Amputation of thigh, lower 3d, by circular operation.	Aug. 28, 1864.	Oct. 5, end of femur protruding, soft parts sloughing. Died Oct. 18, from exhaustion.	E. B. Woolston, A. A. S.
A. S. <i>D. A. R. 1</i>	18	G. S. W. left leg, fracturing fibula. Two months.	Soft parts sloughing—portion of tibia exposed and necrosed.	Amputation of thigh, lower 3d, by circular operation.	Nov'r 15, 1864.	Recovered January 15, 1865.	W. H. Covernton, A. A. S.

REPORT OF SURGICAL OPERATIONS AT THE U. S. A. GENERAL HOSPITAL, BEVERLY, N. J. AMPUTATIONS.

NAME.	AGE.	CAUSE AND DURATION.	CONDITION AT THE OPERATION.	OPERATION.	DATE.	PROGRESS (REMARKS) RESULT.	OPERATOR.
G. Y. <i>Geo. Jackson</i>	20	G. S. W. left leg, fracturing head of tibia. Two months.	Joint swollen and painful—discharging unhealthy pus.	Amputation of thigh, lower 3d, by antero-posterior flaps.	Nov'r 22, 1864.	Recovered March 31, 1865.	J. N. Snively, A. A. S.
A. F. <i>Alfred Flanders</i>	43	G. S. W. left leg, fracturing tibia. 10 days.	Soft parts sloughing.	Amputation of thigh, lower 3d, by antero-posterior flaps	Sept'r 12, 1864.	Sept 15, secondary hemorrhage. Died.	G. A. Chesley, A. A. S.
C. McM. <i>Charles McMillan</i>	25	Amputation of left thigh, lower 3d, on the field, for G. S. W. Thirty-three days.	Soft parts sloughing, end of femur exposed, secondary hemorrhage. Suffering also from secondary syphilis.	Re-amputation of thigh, middle 3d, by circular operation.	Sept'r 28, 1864.	Died October 4, from recurring hemorrhage	C. Wagner, Ass't Surg. U. S. A.
D. K. <i>David Kinsley</i>	18	Amputation of left thigh on field, lower third, for G. S. W. Six weeks.	Soft parts sloughing—end of femur protruding.	Re-amputation of thigh, upper 3d, by antero-posterior flaps.	Nov'r 26, 1864.	Died Dec. 17, from exhaustion.	J. H. Packard, A. A. S.
F. H. H. <i>Frederic H. Hoffmann</i>	18	Amputation of left leg, lower 3d, at Hampton Hospital, June 18, 1864, because of G. S. W. Five months.	End of bones protruding and necrosed.	Amputation of thigh, lower 3d, by antero-posterior flaps.	Dec'r 6, 1864.	Recovered February 16, 1864.	J. S. Waggoner, A. A. S.

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REPORT OF SURGICAL OPERATIONS AT THE U. S. A. GENERAL HOSPITAL, BEVERLY, N. J.

LIGATURES OF ARTERIES

NAME.	AGE.	CAUSE AND DURATION.	CONDITION AT THE OPERATION.	OPERATION.	DATE.	PROGRESS (REMARKS) RESULT.	OPERATOR.
E. W.	19	G. S. W. left leg, flesh. Thirty-six days.	Soft parts sloughing—secondary hemorrhage—10 oz. blood lost.	Ligature of femoral artery in Scarpa's space.	Sept'r 21, 1864.	Ligature separated in 11 days. Recovered Oct. 26.	J. C. Morton, A. A. S.
P. S.	33	G. S. W. right arm, flesh. One month.	Soft parts sloughing—secondary hemorrhage—10 oz. blood lost.	Ligature of brachial artery, upper third.	Oct'r 12, 1864.	Hemorrhage recurred Oct. 21, from point of ligation. Subclavian ligated. Died Nov. 10—hemorrhage recurring.	J. C. Morton, A. A. S.
A. V.	25	G. S. W. left thigh, fracturing upper third of femur. 33 days.	Secondary hemorrhage, 14 oz. blood lost.	Ligature of femoral artery in Scarpa's space.	Sept'r 28, 1864.	Died Sept. 29, from exhaustion.	J. C. Morton, A. A. S.
J. T. P.	32	G. S. W. left shoulder, fracturing neck of scapula and head of humerus. 36 days.	Secondary hemorrhage, 6 oz. blood lost.	Ligature of subclavian artery.	Sept'r 26, 1864.	Arm amputated immediately after ligation of artery, at shoulder joint, by Dr. Chesley. Recovered Oct. 30, '64.	J. C. Morton, A. A. S.
J. S.	21	G. S. W. left shoulder, fracturing head of humerus. 26 days.	Secondary hemorrhage, 8 oz. blood lost.	Ligature of subclavian artery, and excision of head humerus.	Sept'r 21, 1864.	Died Sept 23, 1864, from exhaustion.	J. C. Morton, A. A. S.

REPORT OF SURGICAL OPERATIONS AT THE U. S. A. GENERAL HOSPITAL, BEVERLY, N. J.

LIGATURES OF ARTERIES.

NAME.	AGE.	CAUSE AND DURATION.	CONDITION AT THE OPERATION.	OPERATION.	DATE.	PROGRESS (REMARKS) RESULT.	OPERATOR.
J. J. J.	30	G. S. W. right side of face, fracturing superior maxillary bone. Eight days.	Secondary hemorrhage, 10 oz. blood lost.	Ligature of common carotid artery, middle 3d.	Oct'r 7, 1864.	Died Oct. 12, from recurring hemorrhage from point of ligation.	G. A. Chesley, A. A. S.
P. H.	26	G. S. W. left thigh, flesh. 22 days.	Soft parts sloughing, secondary hemorrhage, 6 oz. blood lost.	Ligature of femoral artery in Scarpa's space.	Sept'r 10, 1864.	Recovered Oct. 14, 1864.	J. H. Packard, A. A. S.
J. C.	21	G. S. W. right side of face, fracturing superior maxillary bone. Thirteen days.	Secondary hemorrhage, 8 oz blood lost.	Ligature of common carotid artery.	Oct'r 13, 1864.	Died Oct. 22, from recurring hemorrhage from point of ligation	J. H. Packard, A. A. S.
G. W. H.	47	G. S. W. upper third of right thigh—flesh. Three months.	Soft parts sloughing, secondary hemorrhage, 6 oz. blood lost.	Ligature of external iliac artery.	Nov'r 10, 1864.	Died Nov. 17, from recurring hemorrhage from point of ligation	J. C. Morton, A. A. S.
J. S.	26	G. S. W. left thigh, injuring femur. Ten weeks.	Secondary hemorrhage, 4 oz. blood lost.	Ligature of profunda femoris.	Nov'r 1, 1864.	Died Nov. 6, from recurring hemorrhage.	J. C. Morton, A. A. S.
A. J. S.	24	G. S. W. right leg injuring upper part of tibia. Four months.	Soft parts sloughing, secondary hemorrhage, 2 oz. blood lost.	Ligature of femoral artery in Scarpa's space.	Dec'r 17, 1864.	Recovered Jan. 4, 1865.	J. C. Morton, A. A. S.

APPENDIX.

SUMMARY.

AMPUTATIONS—JOINT CASES.

	<i>Recovered.</i>	<i>Died.</i>	<i>Remarks.</i>
Shoulder,	1	2	
Hip,	1	1	
Knee,	0	3	
Ankle (Syme's)	2	0	In one of the ankle joint cases a second amputation at the lower third of leg became necessary.

AMPUTATIONS IN CONTINUITY.

	<i>Recovered.</i>	<i>Died.</i>
Arm,	6	0
Fore-arm,	2	2
Thigh,	4	9
Leg,	3	3

LIGATION OF ARTERIES.

8 recoveries, 13 deaths. 21 total.

RESECTIONS.

Only five cases are recorded. The case of resection of the olecranon and $2\frac{1}{2}$ inches of the shaft of the ulna is still under treatment, and will recover with an useful arm. The other cases, viz: resection of the head of the humerus, elbow joint, and shaft of the ulna, recovered with very serviceable arms.

CASE OF RESECTION OF HEAD OF FEMUR.

Pvt. John Zabrowski, Co. H, 7th Conn. Vols., was wounded at the battle of Deep Rottom, Va., by a minnie ball, which fractured the head and neck of the femur. He was admitted

into hospital on the 22d of August. On the 27th of September a resection of the head of the femur was decided upon. He had greatly lost in flesh and strength since his admission, and seemed to be rapidly failing from the exhaustive suppurative discharge from the wound; extensive sloughing of the soft parts had supervened, and, upon the whole, the case was unfavorable and unpromising for so important an operation. Chloroform was administered, the patient placed upon his sound side, an incision four-and-a-half inches in length, extending from about two-thirds of an inch below the anterior superior spinous process of the ilium, towards the tuberosity of the ischium, crossing a transverse incision which had previously been made over the trochanter major to permit of a free exit of pus. The thigh was flexed and rotated inwards, the tendons of the muscles divided, and the chain saw passed under and between the head of the femur and the trochanter major, and the bone sawn through the neck, the soft parts being protected by spatulas; one inch of the trochanter major was removed by a small saw; no blood was lost. The patient survived the operation only thirty hours, dying from exhaustion. A post-mortem examination revealed nothing worthy of note except slight necrosis of the acetabulum.

The following case of successful amputation at the hip joint is deserving of special mention. The sufferer has been operated upon six times, and still lives. To the surgical skill, and the kind and unremitting attention on the part of Dr. J. C. Morton, Executive Officer of the Hospital, the successful result is mainly due:

3. Eben E. Smith, private, Co. A, 11th Maine, single, aged 19, was admitted into U. S. A. General Hospital, Beverly, N. J., August 22, 1864, suffering from gun shot wound of right leg, received August 16, 1864, in the battle of Deep Bottom, Va. The ball passed from before backward, fracturing head of tibia. When admitted he suffered but little pain, although the joint was considerably swollen.

Sept. 12, 1864, secondary hemorrhage occurred. A careful examination was made, and it was deemed advisable to amputate, which operation was performed by the circular method, at the lower third of the thigh. Chloroform was administered, the patient reacted promptly. The patient did well until

*Copy of
Sept. 12, 1864
2nd Maine*

October 17, 1864, when secondary hemorrhage occurred from the stump, at which time the femoral artery was ligatured in Scarpa's space, the ligature separated October 27.

November 5, end of femur protruding, about four inches of which was removed by the chain saw. Shortly after, the stump became swollen and abscesses began frequently to form. This state of things continued until Jan. 19, when, upon examination, the bone was found to be necrosed up to the trochanters. Amputation at the hip joint was deemed advisable, and performed by antero-posterior flaps.

January 27, hemorrhage again occurred from the stump, when the external iliac artery was ligatured. Feb. 17, the ligature separated. Feb. 19, profuse hemorrhage occurred from the lower end of the divided artery, and was controlled with great difficulty, owing to the many operations previously performed; pressure was maintained some fourteen days, after which the patient rapidly improved, and has now entirely recovered, (March 31, 1865.)

John Williams, private, Co. F, 13th Ohio, married, aged 44, was admitted into U. S. A. General Hospital, Beverly, N. J., October 7, 1864, suffering from gun shot wound of the left thigh, middle third, with partial fracture of femur; wound received Sept. 30, before Petersburg, Va. His general condition continued favorable until Feb. 1, when abscesses began to form in the upper part of the thigh, which discharged a large amount of fetid pus; at the same time the patient was attacked with a severe diarrhœa.

Feb. 17, an examination was made and the femur was found necrosed as high as the trochanters. Amputation at the hip joint was considered the patient's only chance for life, and performed by antero-posterior flaps. The femoral artery was caught and tied as soon as divided, and before completing the amputation, by which but very little blood was lost. The patient reacted slowly for about twenty-four hours, when he began to sink, and died twenty-nine hours after the operation. An autopsy revealed nothing worthy of special mention

The preceding Report includes nearly all the capital operations that were performed at this Hospital, from the latter part of August, 1864, to March 1st, 1865.

A large number of minor operations, such as removal of fingers, toes, &c. were considered of not sufficient interest to report.